

(19) World Intellectual Property Organization
International Bureau



**(43) International Publication Date
14 July 2005 (14.07.2005)**

PCT

(10) International Publication Number
WO 2005/064532 A1

(51) International Patent Classification⁷: G06K 19/07

Triester Strasse 64, A-1101 Vienna (AT). **BERGLER, Ewald** [AT/AT]; Triester Strasse 64, A-1101 Vienna (AT).

(21) International Application Number:

(74) **Agents:** **RÖGGLA, Harald** et al.; Philips Intellectual Property & Standards, Triester Strasse 64, A-1101 Vienna (AT).

(22) International Filing Date: 9 December 2004 (09.12.2004)

(81) **Designated States** (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

English

(26) Publication Language: English

English

(30) Priority Data: 03104969.5 23 December 2003 (23.12.2003) EP

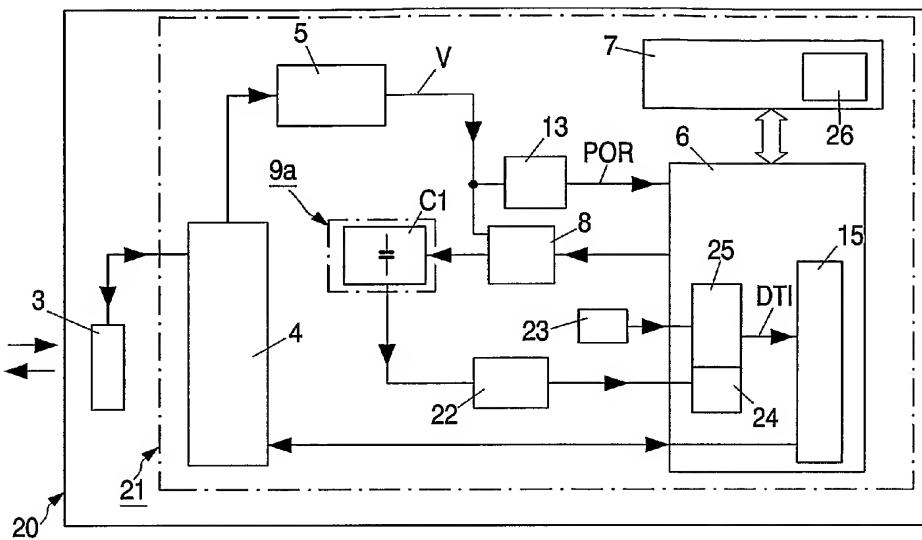
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) **Designated States (unless otherwise indicated, for every kind of regional protection available):** ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,

(71) **Applicant (for all designated States except US): KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).**

TR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO,

(54) Title: METHOD FOR GENERATING POWER SUPPLY INTERRUPTION TIME INFORMATION IN A CONTACTLESS DATA CARRIER



(57) Abstract: In a method for the determination of disconnection time information (DTI) significant for an inadequate power supply of an integrated circuit (2) of a data carrier (1) such as and RFID-tag. The disconnection time information (DTI) is determined on the basis of the discharge behavior of a first storage capacitor (C1), which is affected by the IC material and by radiation, and the determined disconnection time information (DTI) is corrected in dependence on the effects of the IC material and/or on at least one radiation effect.



SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— *with international search report*